

ABSTRACT OF THE DISCLOSURE

[0056] A liquid crystal display (LCD) device includes means for selectively connecting at least two data lines together to provide image data to pixels of a defective column due to either a defective column line (e.g., a line break) or a defective column driver. The means preferably includes a plurality of switches for connecting the two data lines together. The switches may either be cross-column switches extending between the two data lines, or may be column test switches used in a column calibration procedure and connecting the two columns each to a common column test line. Registers are preferably also provided for each switch to store therein a data value indicating whether the switch should be opened or closed. The registers may comprise a shift register.